Wednesday, 30/07/2008 5:30:59 PM

User:

Julie Lecoca

#### **Process Sheet**

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 40823 : 13306

**Estimate Number** 

P.O. Number

This Issue

: 30/07/2008

Prsht Rev. : NC

First Issue **Previous Run** 

: // : 40822

Type

S.O. No. :

: SMALL /MED FAB

Part Number

**Drawing Name** 

: D412769043 D412-769-1 REVB

: AFT FACING SEAT ASS'Y LH

**Drawing Number** 

: N/A

**Project Number Drawing Revision** 

Material

: B

Due Date

: 15/08/2008

Qtv:

1 Um:

Each

Checked & Approved By

Comment

Written By

new issue

DD verified by:EC

Est Rev:B 08-07-17 revB as per dwg DD verified by:ec

**Additional Product** 

Job Number:



Seq. #:

Machine Or Operation:

Description:

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

2.0

D3782045

D3782041

batch:

Back Leg Assembly



Comment: Qty:

2.0000 Each(s)/Unit

Total:

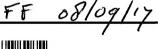
2.0000 Each(s)



**Back Leg Assembly** 

batch: B 40873

Front inboard Leg Assembly





Comment: Qty.:

1.0000 Each(s)/Unit

Total:

1.0000 Each(s)

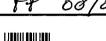


Front Inboard Leg Assembly



D3782043

Front Outboard Leg Assembly, LH



1.0000 Each(s)/Unit Total:

1.0000 Each(s)

Comment: Qty.:

Front Outboard Leg Assembly, LH

batch:

D3783041

Lateral Brace Assembly



Comment: Qty.:

1.0000 Each(s)/Unit

Total:

Lateral Brace Assembly

batch:

1.0000 Each(s)

08/09/08

Page 1

Form: rprocess

W/O:	- 1	WORK ORDER CHANGES	3		·			
DATE	STEP	PROCEDURE CHANGE	В	, D	ate	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #: Fault Category: I	NCR: Y	es No	DQA:	:	Date:	

QA: N/C Closed: \_\_\_\_ Date: \_\_\_

NCR:			WORK ORD	ER, NON-CONFORMANC	CE (NCR)			
1		Description of NC		Corrective Action Section B		Verification	Approval	Approval QC Inspector
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	
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	dnesday, 30/07 e Lecocq	7/2008 5:31:00 PM		Dragge (	Shoot	* .
4.		Dad Haliandan Cardi		Process		OING OF AT ACCOVAL
Customer:	CU-DAR001	Dart Helicopters Service	es	บเ	awing Name: AFT FAC	LING SEAT ASSY LH
Job Number:	40823			F	Part Number: D412769	9043
Job Number:	1111111		······································			
Seq. #:	Machine Or	Operation:			Description	:
6.0	D3783043			Longitudinal Brad		
Comm	-	2.0000 Each(s)/Unit	Total:	2.0000 Each(s)		10
,	Longitudii batch:	nal Brace Assembly	4087	5		18/09/08 (EL)
7.0	D3783045		(0 - 1	Angle Brace Ass	embly	10 370400 (20)
					Λ 1	-
Comm	-	.0000 Each(s)/Unit	Total:	1.0000 Each(s)	$  \rangle \rangle$	OHS .
<del>-</del> X	batch:	ace Assembly 40876			J •	FF 08/09/17
8.0	D3784041			Seat Support Ass	sembly, Center	
Comm	ent: Qty.: 1	.0000 Each(s)/Unit	Total:	1.0000 Each(s)		
	Seat Sup batch:	port Assembly, Cente	877			8/09/08
9.0	D3784043	### 1   <b>  1 </b>		Seat Support Ass	sembly, LH	
Comm		0000 Fach (a) (1 lai	Tatal .	4.0000 Fash(s)		
Commi	_	.0000 Each(s)/Unit port Assembly, LḤ	Total :	1.0000 Each(s)		12
	batch:	" yc	3878	<u> </u>		NO 08/09/08/4
10.0	D3784044	1811 8818 11811 F8811 F881		Seat Support Ass	sembly, RH	
i				_		
Comm		.0000 Each(s)/Unit	Total:	1.0000 Each(s)		10
	Seat Sup batch:	port Assembly, RH	879			X alcolor
11.0	D37661	(	, (	Front Rail, LH		10 - 30/01/00 (80
Comme	-	.0000 Each(s)/Unit	Total:	1.0000 Each(s)		10
· .	Front Rail batch:	408	163			1 58 /09/08 a
12.0	D37663		- )	Rear Rail		10 01 1100 (1)
Comme	- ·	.0000 Each(s)/Unit	Total :	1.0000 Each(s)	4	10.
7	Rear Rail batch:	4086	5			18/09/08 (W
	-					

W/O:			WORK ORDER C	HANGES				
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	i e		4					
Part No	):	PAR #:	Fault Category:	NCR: Yes	No DQ	A:	Date:	

QA: N/C Closed: \_\_\_\_ Date: \_\_\_

NCR:	٠		WORK ORD	ER NON-CONFORMANC	E (NCR)			
		Description of NC		Corrective Action Section B	*****	Verification	Annroval	Annaval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
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Date: User:		lnesday, 30/07/2008 5:31:00 PM e Lecocq	Process S	Sheet	
	Customer:	CU-DAR001 Dart Helicopters Serv	rices Dra	wing Name: AFT FACING S	SEAT ASS'Y LH
	b Number:	40823	P	art Number: D412769043	
JOD IVI	umber:				
Com	4.			D	•
Seq.	3.0	Machine Or Operation: D37671	Upper Rail	Description :	
>			OFF C. Carr		
	Comme	ent: Qty.: 1.0000 Each(s)/Unit	Total: 1.0000 Each(s)		
1	A .	Upper Rail batch: 12 408 66			Ds 08/09/16
	14.0	D37921	Seat Belt Eye Bol	t	45 08101116
*					
	Comme	ent: Qty.: 3.0000 Each(s)/Unit Seat Belt Eye Bolt			10
15		batch:Bt	78 Novateh		N 08/09/10 x3
	15.0	AN415A	Bolt		110011 HILLING
	Comme	ent: Qty.: 2.0000 Each(s)/Unit Bolt	Total: 2.0000 Each(s)		1 S
		batch: M680	177		// SK/09/08/k
	16.0	AN45 13A	EYE BOLT		111111111111111111111111111111111111111
				¥	
	Comme	ent: Qty.: 1.0000 Each(s)/Unit	Total: 1.0000 Each(s)	÷	1
		EYE BOLT	57938		
	17.0	batch: MC	Bolt		18 - 8/09/08 (x
	Comme	ent: Qty.: 6.0000 Each(s)/Unit	Total: 6.0000 Each(s)		10
		Bolt batch:M\C	8471		08/09/08 (x
	18.0	AN513A	Bolt		18 30 / 5 / 1 00 (C
	Comme	ent: Qty.: 2.0000 Each(s)/Unit Bolt	Total: 2.0000 Each(s)		10
		batch: Mo	8167		08/09/08 G
	19.0	AN960JD10 .	Washer		
	Comme	ent: Qty.: 21.0000 Each(s)/Unit	Total: 21.0000 Each(s)		
		Washer batch:			10
		(or NAS1149D0363J) batch:_	M6905	9	// 08)0a/08 @
Page	3				Form: rprocess

W/O:		*	WORK ORDER	CHANGES				
DATE	STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #: _	Fault Category:	NCR: Ye	es No DC	A:	Date: _	
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NCR:			WORK ORD	ER NON-CONFORMAN	CE (NCR)	5. 5		
		Description of NC		Corrective Action Section E	}	Verification	Annessal	Annaval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
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Wednesday, 30/07/2008 5:31:00 PM Date: User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40823 **Part Number: D412769043** Job Number: Seq. #: **Machine Or Operation:** Description: AN960JD416 20.0 Washer Comment: Qty.: 4.0000 Each(s)/Unit Total: 4.0000 Each(s) Washer batch: 08/09/08 (xx (or NAS1149D0463J) batch: AN960JD516 21.0 20.0000 Each(s)/Unit Total: 20.0000 Each(s) Comment: Qty.: Washer batch: (or NAS1149D0568J) batch: 22.0 AN52510R24 9.0000 Each(s) 9.0000 Each(s)/Unit Total: Comment: Qty.: Screw batch: 23.0 MS21042L3 Comment: Qty.: 9.0000 Each(s) 9.0000 Each(s)/Unit Total: Nut batch: 24.0 MS21042L4 Nut Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Nut batch: 25.0 MS21042L5 Nut Comment: Qty.: 12.0000 Each(s)/Unit Total: 12.0000 Each(s) Nut M108161 batch:

Form: rprocess

Page 4

W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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Part No: _		PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
				QA: N/C	Closed:	Date:

NCR:		V	WORK ORDER NON-CONFORMANCE (NCR)									
	,.	Description of NC		Corrective Action Section B		Verification	Ammraual	Annessal				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector				
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Date: Wednesday, 30/07/2008 5:31:00 PM Julie Lecocq User: **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40823 Part Number: D412769043 Job Number: Seq. #: **Machine Or Operation:** Description: SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 26.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 = 08/09/1Z 1- assemble as per dwg D412-769-1 INSPECT WORK TO CURRENT STEP 27.0 QC5 Comment: INSPECT WORK TO CURRENT STEP 28.0 POWDER COATING POWDER COATING M106442 Comment: POWDER COATING 1- mask D3782-041 and D3782-043 front legs and D3787-1 foot as per dwg D412-769-041 2- Powder coat remainig of assembly grey as per dwg D412-769-1 Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 START TIME: OVEN TEMPERATURE: FINISH TIME: 29.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE # 30.0 Comment: PACKAGING RESOURCE #1 Pick Packing Kit 31.0 D37751 Guard Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Guard batch:

Dart Ae	rospace	e Ltd	•	*						
W/O:			WC	ORK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHA	NGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									-	= :
Part No	·	PAR #:	Fault Cate	gory:	_ NCR: `	res N	lo DQA	۸:	Date:	
		•		4	C	A: N/0	C Closed	l:	_ Date: _	
NCR:			WORK ORDI	ER NON-CONFORMA	ANCE (I	ICR)				
DATE	CTED	Description of NC		·	ion B		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Section		Chief Eng	QC Inspector
		•								
		·		<u> </u>					-	
				- 1						

Date: Wednesday, 30/07/2008 5:31:00 PM User: Julie Lecoca **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: AFT FACING SEAT ASS'Y LH Job Number: 40823 Part Number: D412769043 Job Number: Seq. #: **Description: Machine Or Operation:** D37741 Seat Bottom, LH/RH 32.0 1.0000 Each(s)/Unit Comment: Qty.: Total: 1.0000 Each(s) Seat Bottom, LH batch: 33.0 D37743 Seat Back, LH/RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH batch: 34.0 AN525 10R22 Screw Comment: Qty.: 13.0000 Each(s)/Unit Total: 13.0000 Each(s) Screw batch: AN960JD10L 35.0 Washer Comment: Qty.: 13.0000 Each(s)/Unit Total: 13.0000 Each(s) Washer batch: (or NAS1149D0332J) batch: MS21042L3 36.0 Comment: Qty.: 19.0000 Each(s)/Unit Total: 19.0000 Each(s) Nut M168701 38/09/08 Q batch: AN35A Bolt 37.0 Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s) Bolt 68/09/08 R M160188 batch: SMALL FAB SMALL & MEDIUM FAB RESOURCE 1 38.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 1- install remaining parts as per dwg D412-769-1 Page 6

Form: rprocess

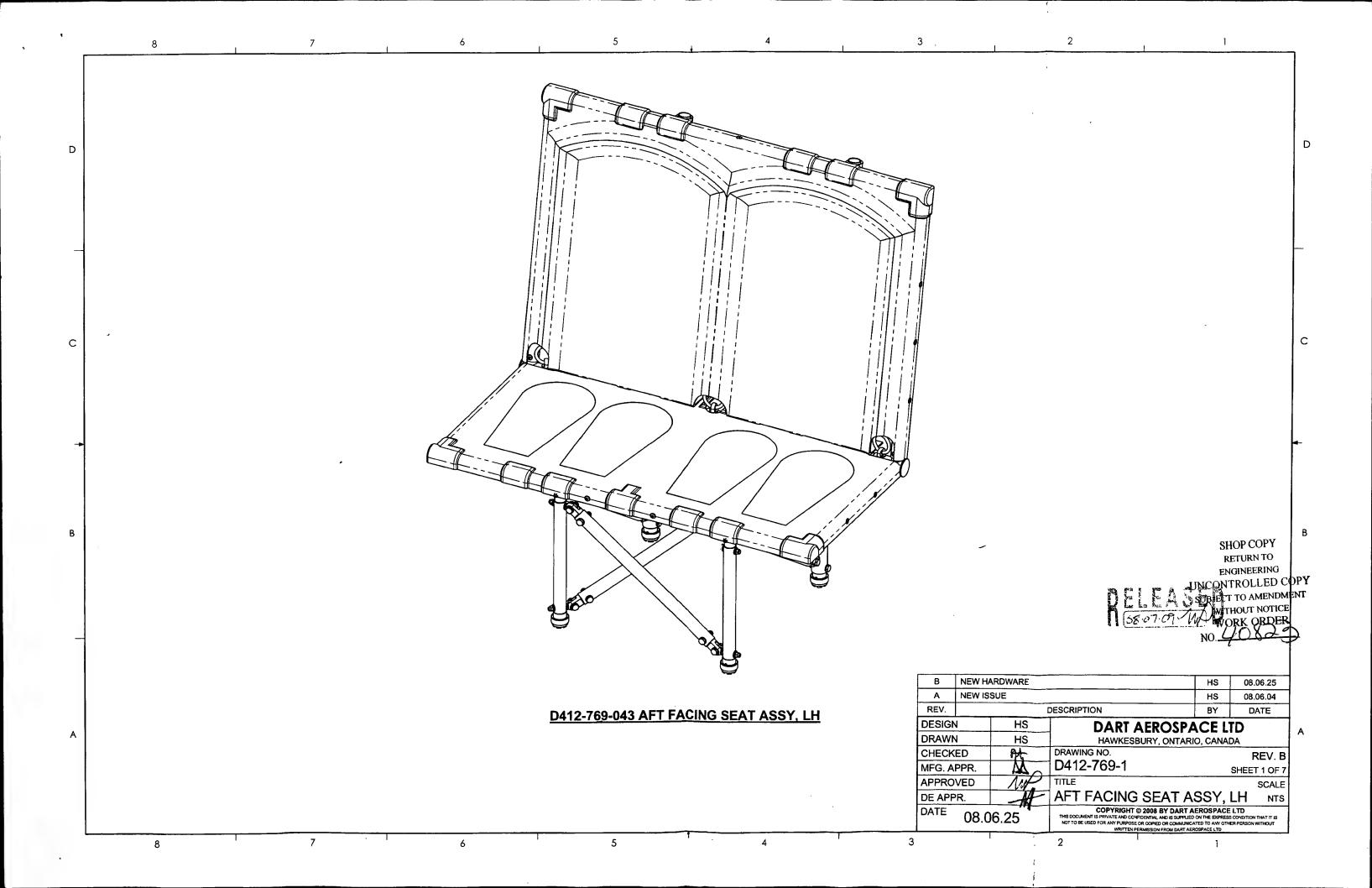
W/O:		WORK ORDER CHANG	GES			
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr  Approval QC Inspector
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Dort No		DAD # . Fault Catarran	NCD: Voc	No DO	<u> </u>	Data

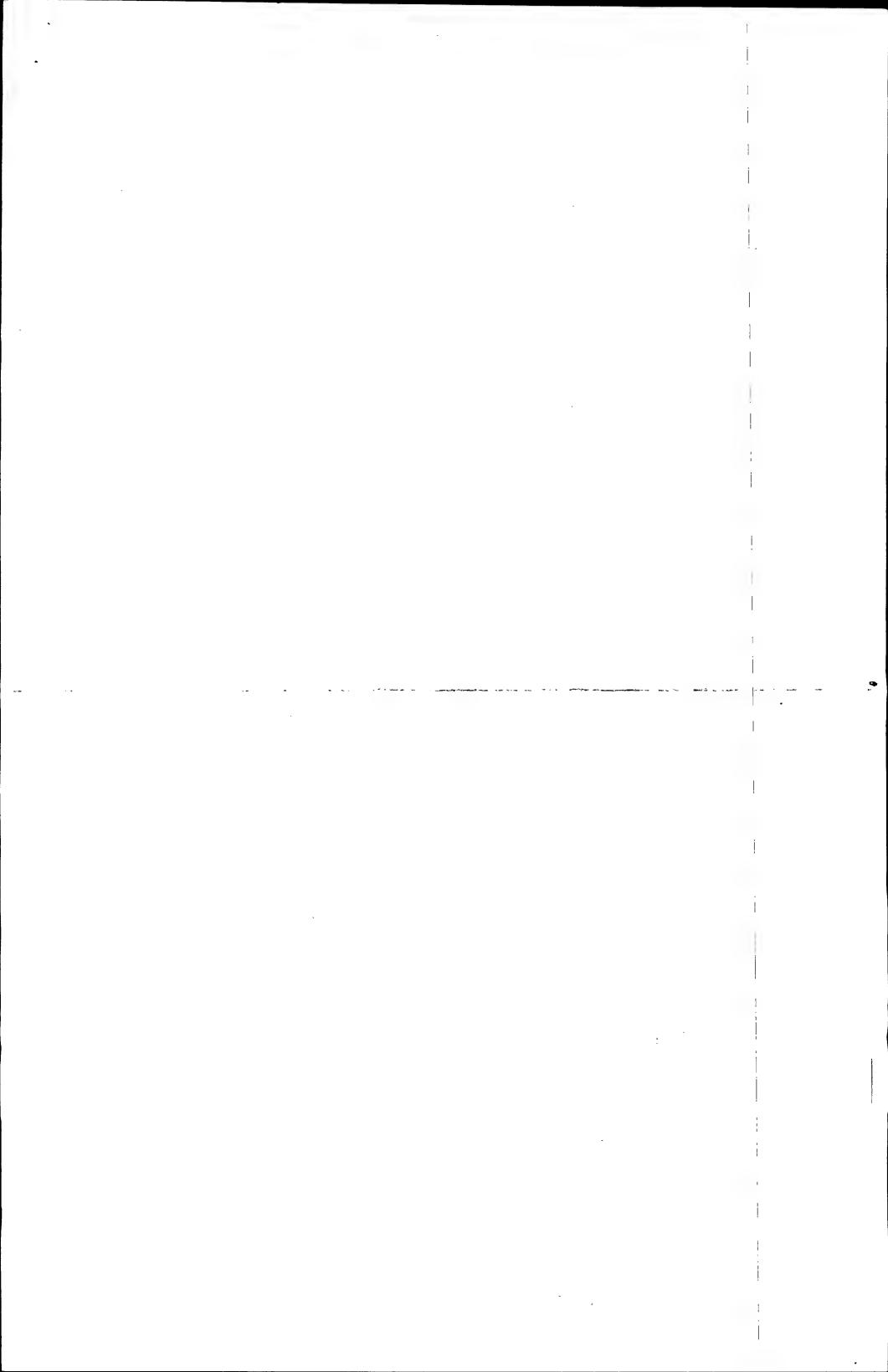
QA: N/C Closed: \_\_\_\_ Date: \_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC Section A		Corrective Action Section B				A		
DATE	STEP		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector		
					-					

Wednesday, 30/07/2008 5:31:00 PM Date: User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40823 **Part Number: D412769043** Job Number: Seq. #: **Machine Or Operation:** Description: INSPECT WORK TO CURRENT STEP 39.0 QC5 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 40.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 08/09/18 (21) Identify and Stock PBP 46866 Location:\_ FINAL INSPECTION/W/O RELEASE 41.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Dart Ae	rospace	e Ltd								
W/O:			W	ORK ORDER CHAI	NGES					
DATE	STEP	PROCEDURE CHANGE				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									<u>-</u>	
Part No	<u> </u>	PAR #:	Fault Cat	egory:					Date: _ Date:	
NCR:		· · · · · · · · · · · · · · · · · · ·	WORK ORE	DER NON-CONFOR						
	Τ	Description of NC	Corrective Action Section		Section B		Verification	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	on s	Sign & Date	Secti		Chief Eng	QC Inspector



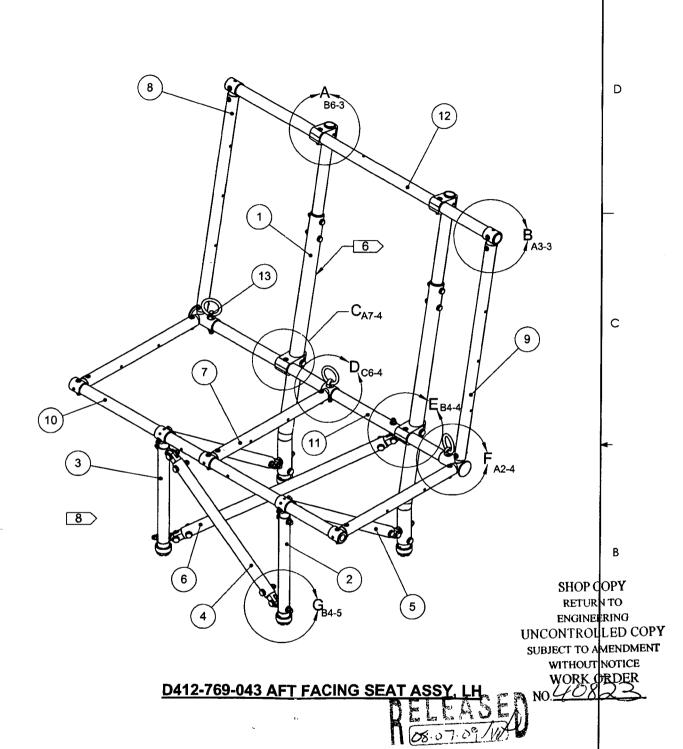


	ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
ľ	1	D3782-045	BACK LEG ASSY	2
Ī	2	D3782-041	FRONT INBOARD LEG ASSY	1
Ī	3	D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
	4	D3783-041	LATERAL BRACE ASSY	1
`	5	D3783-043	LONGITUDINAL BRACE ASSY	2
	6	D3783-045	ANGLE BRACE ASSY	1
	7	D3784-041	SEAT SUPPORT ASSY	1
Ī	8	D3784-043	SEAT SUPPORT ASSY, LH	1
	9	D3784-044	SEAT SUPPORT ASSY, RH	1
	10	D3766-1	FRONT RAIL, LH	1
	11	D3766-3	REAR RAIL	1
Ī	12	D3767-1 UPPER RAIL		1
Ī	13	D3792-1	SEAT BELT EYE BOLT	3
	14	D3775-1	GUARD	2
-	15	D3774-1	SEAT BOTTOM	1
	16	D3774-3	SEAT BACK	1
	17	AN3-5A	BOLT	6
Ī	18	AN4-15A	BOLT	2
Γ	19	AN45-13A	EYE BOLT	1
	20	AN5-10A	BOLT	6
· . [	21	AN5-13A	BOLT	2
/B\ [	22	AN525-10R22	SCREW	13
<b>B</b>	23	AN525-10R24	SCREW	9
	24	MS21042L3	NUT	28
	25	MS21042L4	NUT	2
	26	MS21042L5	NUT	12
	27	NAS1149D0332J	WASHER (AN960JD10L)	13
	28	NAS1149D0363J	WASHER (AN960JD10)	21
	29	NAS1149D0463J	WASHER (AN960JD416)	4
ľ	30	NAS1149D0568J	WASHER (AN960JD516)	20

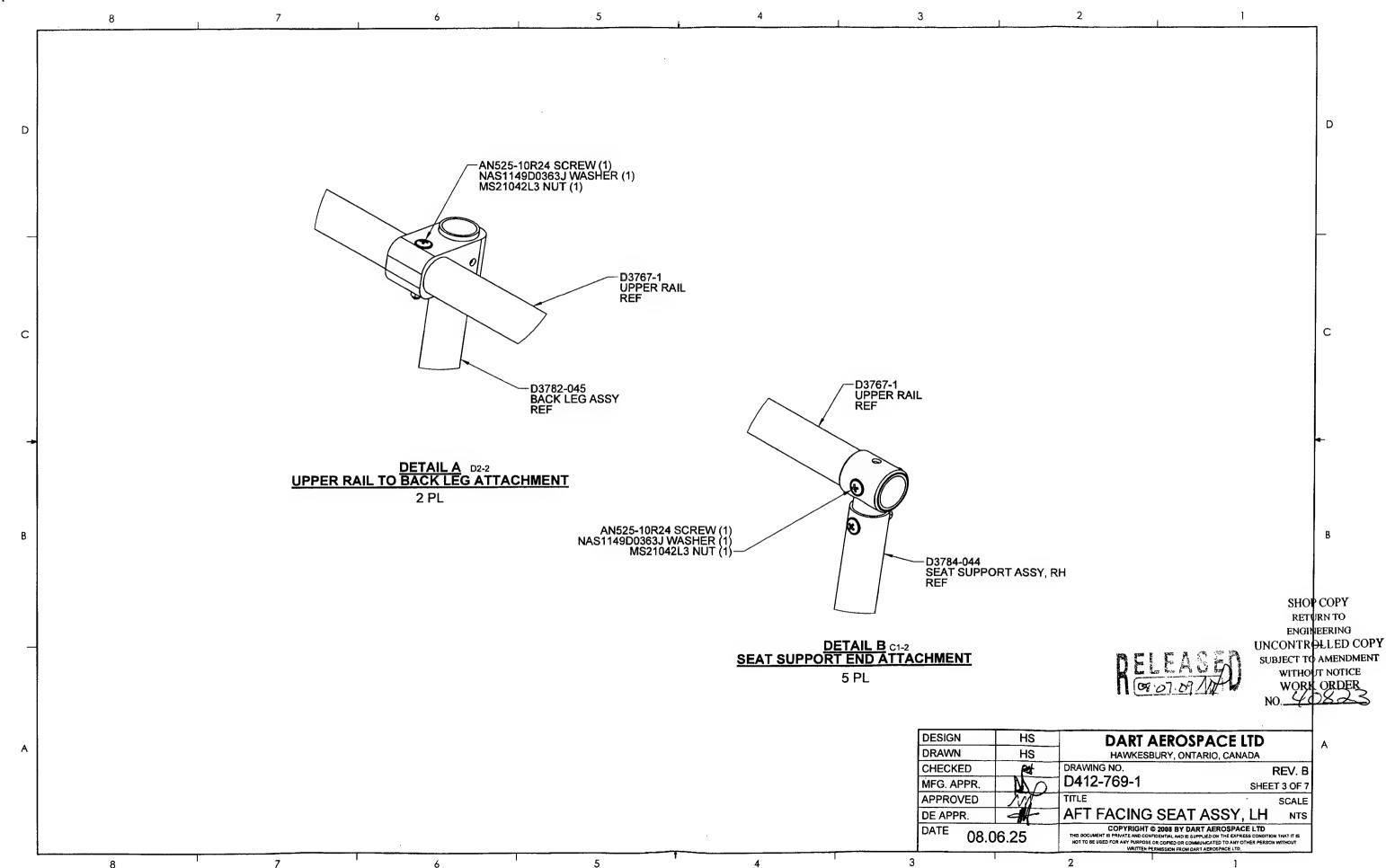
NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT ASSEMBLED SEAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR
TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1/-3). MASK FRONT LEGS PRIOR TO POWDER COAT.
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
7) WEIGHT: 30 0 lbs

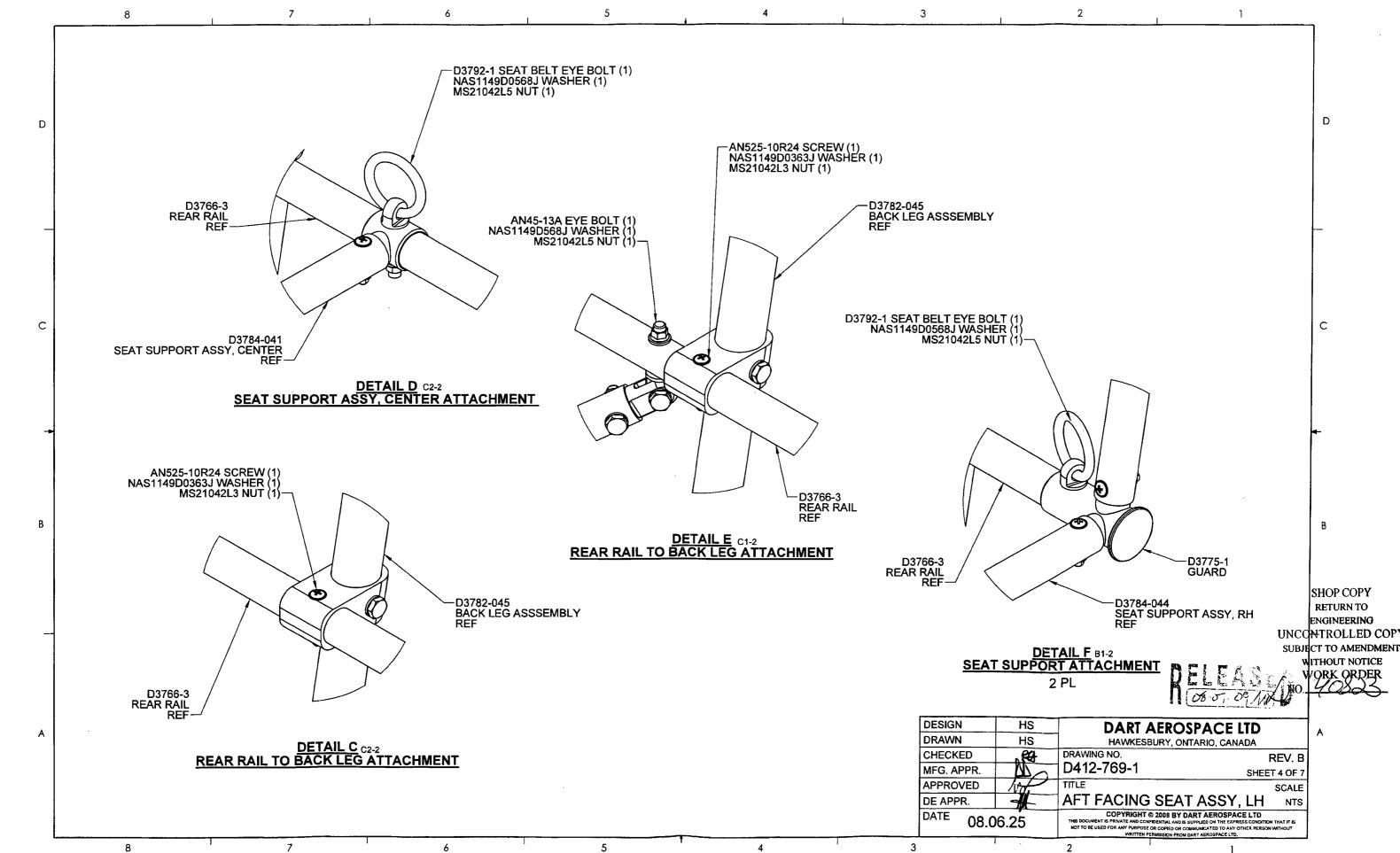
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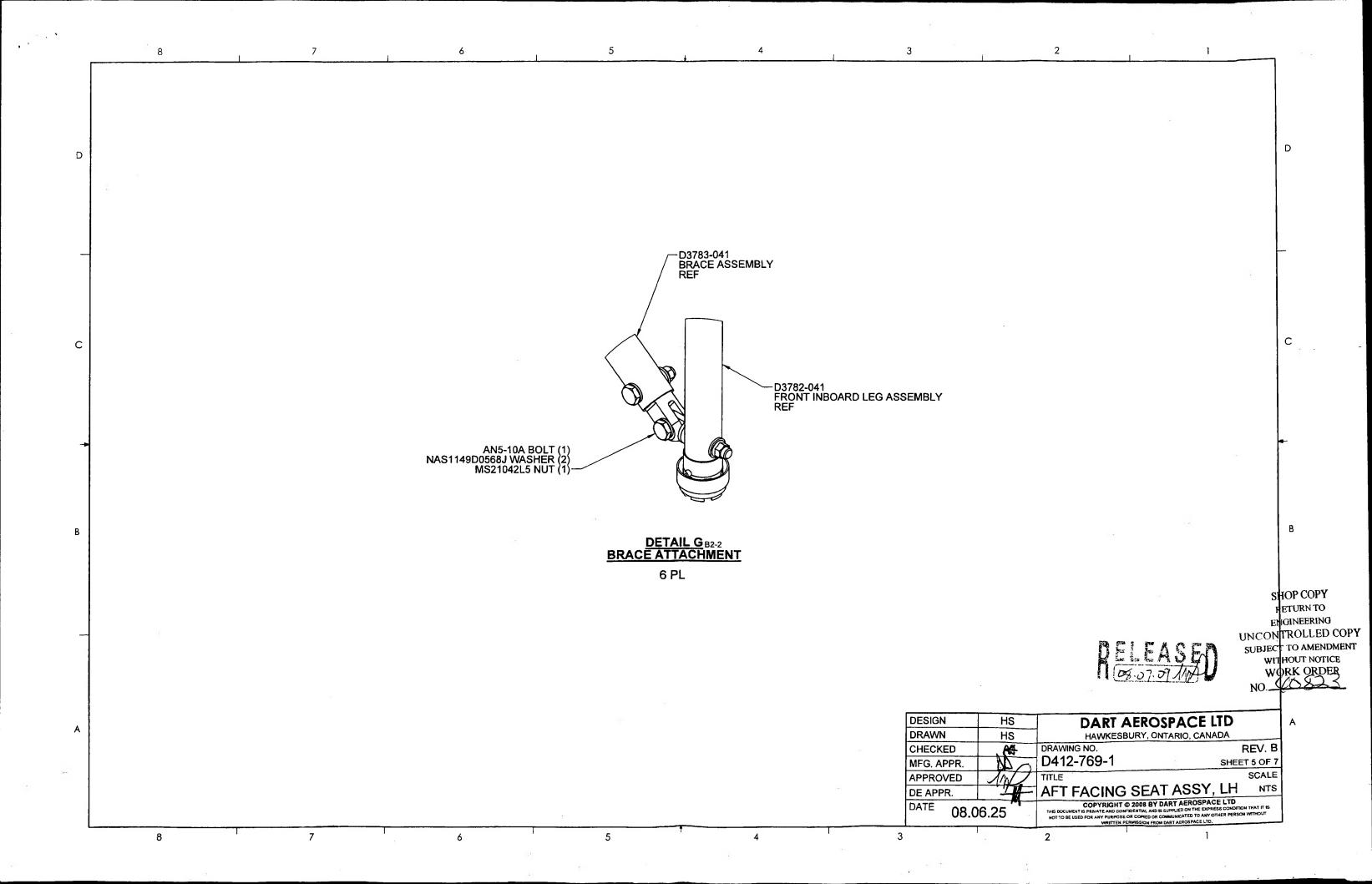
8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

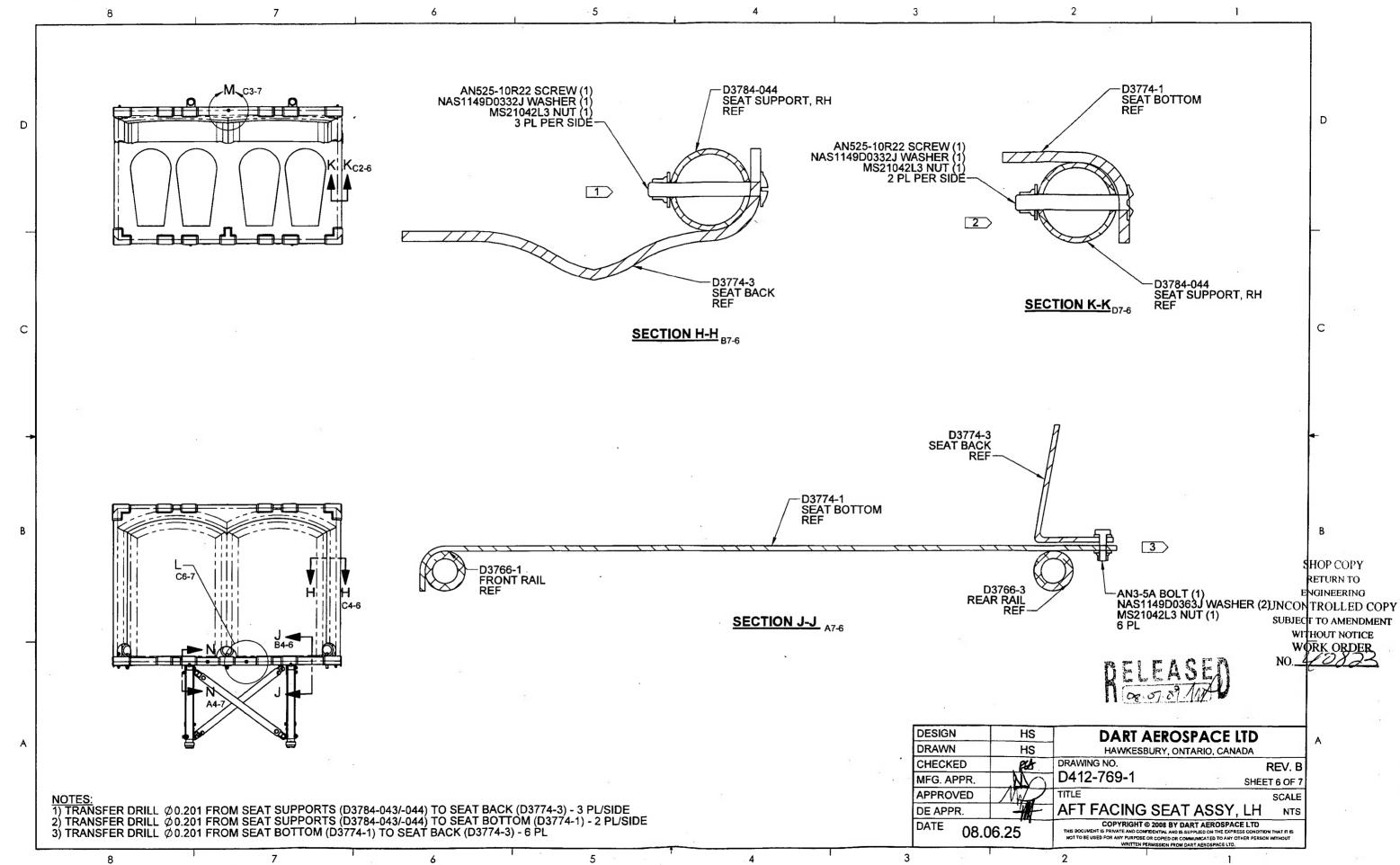


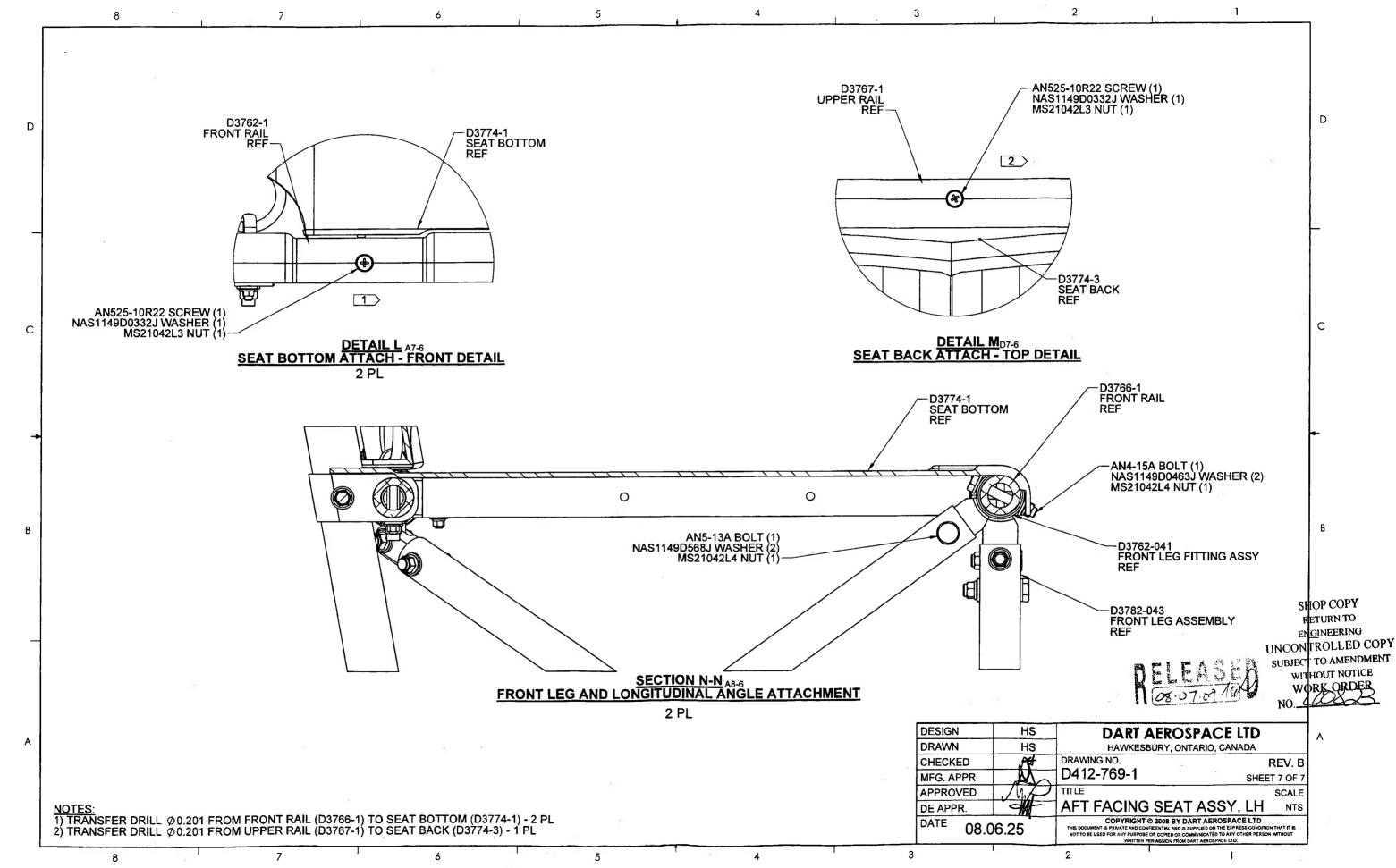
DESIGN HS		DART AEROSPACE LTD			
DRAWN	HS ‡	HAWKESBURY, ONTARIO, CANADA			
CHECKED	N REF	DRAWING NO.	REV. B		
MFG. APPR.	N/O	D412-769-1 <sub>SHE</sub>	ET 2 OF 7		
APPROVED	Mad	TITLE	SCALE		
DE APPR.	-11	TAFT FACING SEAT ASSY, LH	NTS		
DATE 08.0	06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PROVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMEDIO OR COMMUNICATED TO ANY OTHER PERSON WITHOUT			











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